

ABSTRACT

A horizontal-axis electrical machine (10) comprises a casing (14, 15, 16), which is reinforced by casing ribs (24, ..., 27, 30) and is subdivided into a bottom casing section (15) and a removable top casing section (16), and comprises a laminated stator core (11), which is braced in bearing rings (13, 13', 13''), which are arranged perpendicular to the longitudinal axis (36) of the machine and are spaced apart from one another, the bearing rings (13, 13', 13'') being resiliently connected at a plurality of points of their outer circumference to the bottom casing section (15) by means of fastening parts (18, 19, 20, 21).

In the case of such a machine (10), transport securement that does not hinder later operation is achieved by providing that between the laminated stator core (11) or the bearing rings (13, 13', 13'') and the bottom casing section (15) there are arranged fixedly adjusted securing means (31, ..., 35), which during transportation of the machine (10) limit the axial relative movement between the laminated stator core (11) or the bearing rings (13, 13', 13'') and the bottom casing section (15), and during operation ensure a free expansion of the warmer laminated stator core (11) with respect to the colder casing (14, 15, 16).

(Figure 3)